

Converting Colors

$Y_{xy}(22.4242, 0.4225, 0.3743)$

Have a look what the booklet for
Yxy(22.4242, 0.4225, 0.3743)
contains.

Yxy(22.4321, 0.4215, 0.3744)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.4321, 0.4215, 0.3744)

Conversions

Conversions Part 1

Format	Color
Hex	AC7658
RGB	172, 118, 88
RGB Percent	67%, 46%, 35%
CMY	0.3255, 0.5372, 0.6549
CMYK	0.00, 0.31, 0.49, 0.33
HSL	21°, 34%, 51%
HSV	21°, 49%, 67%
XYZ	25.2541, 22.4321, 12.2286
YIQ	130.7260, 41.8140, 2.1180

Conversions

Conversions Part 2

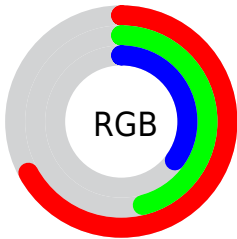
Format	Color
R_{YB}	172, 135, 88
Decimal	11302488
CIE _{Lab}	54.48, 17.64, 25.03
CIE _{LCh}	54, 30.617, 54.827
Yxy	22.4321, 0.4215, 0.3744
Android (android.graphics.Color)	4289492568 (0xFFAC7658)
YUV	130.7260, -21.0639, 36.1973
Hunter-Lab	47.3625, 12.2932, 17.8456

Details

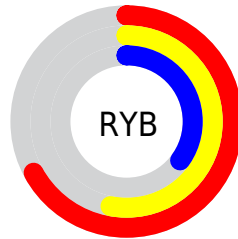
The Yxy color **22.4321, 0.4215, 0.3744** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **24.3976, 0.2398, 0.2767**, and the grayscale version is **22.6598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2424, 0.3975, 0.3663**, and **8.2053, 0.4631, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **19.7277, 0.4532, 0.3821**, and if you desaturate by 10%, it is **25.5112, 0.3928, 0.3653**.

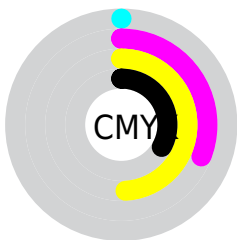
Distribution



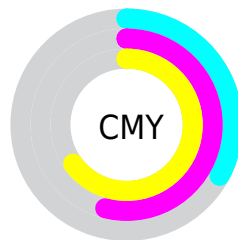
- Red (67%)
- Green (46%)
- Blue (35%)



- Red (67%)
- Yellow (53%)
- Blue (35%)



- Cyan (0%)
- Magenta (31%)
- Yellow (49%)
- Black (33%)




- Cyan (33%)
- Magenta (54%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4321, 0.4215, 0.3744 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 22.4321, 0.4215, 0.3744 by changing the saturation by 10% instead.


 22.4321, 0.4215,
0.3744


 22.4321, 0.4215,
0.3744


264.7946, 0.3604,
0.3516


 14.1747, 0.4390,
0.3796


 47.4591, 0.3976,
0.3663

 8.2423, 0.4628,
0.3854

 64.9976, 0.3891,
0.3632

 4.2504, 0.4964,
0.3912

 86.3986, 0.3822,
0.3605

 1.8146, 0.5810,
0.4190

 112.0464, 0.3764,
0.3582

 0.4962, 0.6455,
0.3545

 142.3255, 0.3715,
0.3562

 0.0000, 0.0000,
0.0000

177.6203, 0.3672,

0.3545

218.3152, 0.3636,
0.3529

■ 22.4321, 0.4215,
0.3744

■ 22.4321, 0.4215,
0.3744

■ 19.7277, 0.4532,
0.3821

■ 25.5112, 0.3928,
0.3653

■ 17.3795, 0.4869,
0.3874

■ 28.9761, 0.3676,
0.3556

■ 15.3719, 0.5205,
0.3889


■ 32.8413, 0.3457,
0.3460

■ 13.6869, 0.5514,
0.3857


■ 37.1196, 0.3270,
0.3367


■ 12.2999, 0.5776,
0.3781


■ 41.8234, 0.3110,
0.3280

 12.1566, 0.5805,
0.3772

 46.9642, 0.2974,
0.3200

 52.5533, 0.2858,
0.3125

 58.6015, 0.2758,
0.3058

 65.1192, 0.2673,
0.2996

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



22.4321, 0.4100, 0.3317



22.4321, 0.4215, 0.3744



22.4321, 0.4012, 0.4108

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



22.4321, 0.4215, 0.3744



22.4321, 0.2555, 0.3692



22.4321, 0.2628, 0.2441

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



22.4321, 0.4215, 0.3744



24.3976, 0.2398, 0.2767

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



22.4321, 0.2280, 0.2465



22.4321, 0.4215, 0.3744



22.4321, 0.2238, 0.3140

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



22.4321, 0.4215, 0.3744



22.4321, 0.3041, 0.4141



22.4321, 0.2145, 0.2700



22.4321, 0.3138, 0.2604

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



22.4321, 0.4215, 0.3744



22.4321, 0.3739, 0.4255



22.4321, 0.2145, 0.2700



22.4321, 0.2490, 0.2427

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



22.4332, 0.4215, 0.3744



62.2618, 0.3387, 0.3426



17.7203, 0.3579, 0.2494



13.1958, 0.3426, 0.3445



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.4332, 0.4215, 0.3744



35.2356, 0.4572, 0.3829



34.4118, 0.3911, 0.4308



8.4661, 0.3278, 0.3372



9.1413, 0.5787, 0.3787



0.3595, 0.5210, 0.4245

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



24.3976, 0.2398, 0.2767



39.1654, 0.2253, 0.2621



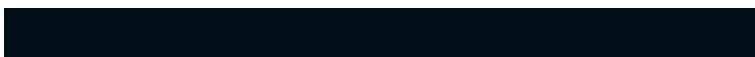
14.2813, 0.2256, 0.2003



8.5834, 0.2986, 0.3207



10.7119, 0.1916, 0.2096



0.3963, 0.2028, 0.2500

Previews

White Background



This preview shows how the Yxy color 22.4321, 0.4215, 0.3744 looks on a white background.

Color Contrast Check

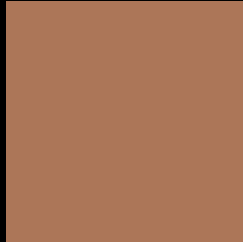
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 22.4321, 0.4215, 0.3744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

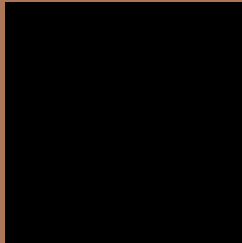
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.4321, 0.4215, 0.3744

Background



This preview shows how black text looks on a background with the Yxy color 22.4321, 0.4215, 0.3744.



This preview shows how white text looks on a background with the Yxy color 22.4321, 0.4215, 0.3744.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

22.4321, 0.4215, 0.3744

Protanopia

22.6856, 0.3673, 0.3953

Deuteranopia

22.5234, 0.3983, 0.3908



Tritanopia

22.3294, 0.3832, 0.3157

Trichromacy



Original Color

22.4321, 0.4215, 0.3744

Protanomaly

22.3524, 0.3865, 0.3875

Deuteranomaly

22.2886, 0.4069, 0.3847

Tritanomaly

22.3859, 0.3972, 0.3368

Monochromacy



Original Color

22.4321, 0.4215, 0.3744

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.2705, 0.3501, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4321, 0.4215, 0.3744 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(172, 118, 88)` looks like.

```
.text, #text, p{  
    color:rgb(172, 118, 88)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(172, 118, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 118, 88) }
```

Border

The CSS property to change the border of an element to Yxy 22.4321, 0.4215, 0.3744 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 118, 88) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(172, 118, 88) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(172, 118, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 118, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 118, 88);  
box-shadow:4px 4px 4px 4px rgb(172, 118,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4321, 0.4215, 0.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 118, 88) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(172,  
118, 88) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor